**SHRIDHAR T**

**EDUCATION**

* **B.Tech** **Computer Science and Engineering**

**CGPA – 7.91 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 78.83% **2019**

Institution:

* **Class 10** – 96% **2017**

Institution:

**TECHNICAL INTERESTS**

Computer Networks, Cybersecurity

**PROJECTS**

**Detection of Advanced Persistent Threats (APT) in Heterogenous Networks [IBM Funded]**

•Used combinations of pre-processing techniques for IOT-BOTNET dataset.

•Pre-processed data was fed into various Machine learning models (KNN, K-Means) under

different synthesis (PCA, SVD, SMOTE)

•Further the data is subjected to various Deep learning models such as ANN, RNN and LSTM

•Achieved an average accuracy of about 98.77%

**Load Balancing payloads across different sites using Frame Relay and Inter-VLAN routing**

Corporate network topology including 3 different subnets were added and communication

between them was established using Frame Relay and Inter-VLAN routing

**Enhancing QoS in Cloud Computing (Optimising Response time)** [Ongoing]

Cloud system request-response data is analysed and a hybrid algorithmic approach is followed

to arrive at a solution corresponding to Load balance payloads and elect master node while

minimising the response time

**TECHNICAL SKILLS**

C++,Python, JavaScript, CiscoPacket Tracer, Wireshark, GNS3, Putty, Windows, Linux, Switching**,** Routing, Troubleshooting, TCP/IP, REST, JSON , IP Routing, Multi-Layer Switching, TCP/IP

**INTERNSHIP**

**Student Intern** – Virtual Internship at Cisco (Network Engineering) April 2022 – July 2022

•Familiarized various attributes and tools residing in Packet Tracer simulator

•Analyzed certain Network Protocols and its underlying Architecture

•Built a Domestic Network Topology, accommodating Security Considerations

•Worked on an Industrial Problem Statement - [Designed a University Network topology and

Analyzed Traffic flow within them]

**CERTIFICATIONS**

Cisco CCNA 200-301 Exam : Complete course with practical labs

Fortinet Certified Network Security Expert (NSE1)

Fortinet Certified Network Security Expert (NSE2)

Networking Essentials

Cybersecurity Essentials

Cybersecurity Roles, Processes and Operating System Security

Cybersecurity Compliance Framework and System Administration

Programming for Everybody (Getting Started with Python)

Python Data Structures

**ACHIEVEMENTS & HONOURS**

School topper in an Engineering Entrance Assessment - Joint Entrance Examination (JEE) Percentile : 98.7 | All India Rank (AIR) : 14820

Secured 2nd position in the State Level Shooting Competition (0.22 Caliber Long Rifle) conducted at National Cadet Corps (NCC) - CATC Camp

Co-organized an event “Tree-Plantation” as a part of National Service Scheme (NSS), promoting plantation of trees in and around campus

**LANGUAGES**

English, Tamil